HW#44: Classifying Triangles

Geometry

Due: Wednesday, Nov 18th

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP:\_\_\_\_\_

FAILURE TO WRITE IN COMPELTE SENTENCES OR SHOW ALL WORK WILL RESULT IN LASALLE.

|  |  |  |
| --- | --- | --- |
| 1) Solve for x.    Classified by sides \_\_\_\_\_\_\_\_\_\_\_\_\_  Classified by angles \_\_\_\_\_\_\_\_\_\_\_\_ | 2) Solve for x.    Classified by sides \_\_\_\_\_\_\_\_\_\_\_\_\_  Classified by angles \_\_\_\_\_\_\_\_\_\_\_\_ | 3) Solve for x.    Classified by sides \_\_\_\_\_\_\_\_\_\_\_\_\_  Classified by angles \_\_\_\_\_\_\_\_\_\_\_\_ |

|  |  |
| --- | --- |
| 7) Find the missing side length. Label any missing angles or sides with the appropriate markings. | 8) Find the missing side length. Label any missing angles or sides with the appropriate markings. |
| 9) Find the missing side length. Label any missing angles or sides with the appropriate markings. | 10) Find the missing angle measure. Label any missing angles or sides with the appropriate markings. |

PT II: Review

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 11. Line *l* can be described by the equation 4y+6x=12. Determine if the following lines are perpendicular to *l*, parallel to *l*, or neither. Explain your reasoning in at least 1 sentence.   |  |  | | --- | --- | | X | y | | 1 | 6 | | 5 | 10 | | 14 | 13 |   a)  ../../../../../Desktop/Screen%20Shot%202015-11-16%20at%207.10.52%20PMb)  c) | 12. Write the equation of a line though (-1,2) and parallel to .  13. Write the equation of a line though (-4,5) and perpendicular to . |